

### CLAIM AMENDMENTS

1. (Currently Amended) A method usable with a well, comprising:  
running ~~the~~ a tool into an uncased interval of the well;  
using the tool to support the interval as a casing; ~~and~~  
fixing the tool to the well with a fixing agent without pumping the fixing agent through a  
central passageway of the tool; and  
operating the tool after the fixing agent sets.

2. (Original) The method of claim 1, wherein the fixing agent comprises cement.

3. (Cancelled)

4. (Original) The method of claim 1, wherein the fixing comprises pumping the  
fixing agent into the well and then running the tool into the well.

5. (Original) The method of claim 4, further comprising:  
isolating a bottom of the tool to prevent the fixing agent from entering the central  
passageway of the tool.

6. (Original) The method of claim 5, wherein the isolating comprises sealing off a  
bottom end of the tool.

7.-9. (Cancelled)

10. (Original) The method of claim 1, wherein the fixing comprises:  
running the tool into the well; and  
subsequently pumping the fixing agent into an annulus surrounding the tool.

11.-16. (Cancelled)

17. (Previously Presented) A method usable with a well, comprising:  
running a tool into the well via a string;  
introducing a fixing agent into the well after the running so that the fixing agent at least partially surrounds the tool;  
operating the tool after the fixing agent sets; and  
using at least part of the string as a production tubing.
18. (Original) The method of claim 17, wherein the fixing agent comprises cement.
19. (Original) The method of claim 17, wherein the tool comprises a casing conveyed tool.
20. (Original) The method of claim 17, wherein the operating the tool comprises firing a perforating gun.
21. (Original) The method of claim 17, wherein the introducing the fixing agent comprises:  
introducing the fixing agent via a tubing; and  
retrieving the tubing after the introduction of the fixing agent.
- 22.-44. (Cancelled)
45. (Currently Amended) A system usable with a well comprising:  
a fixing agent; and  
a tool set in the fixing agent and, the tool being adapted to line a wellbore of the well as a casing and be actuated to perform a function other than lining the wellbore, the tool having a bottom end that is of the tool being sealed to prevent the fixing agent from entering the tool before the fixing agent is set.
46. (Original) The system of claim 45, wherein the tool comprises a perforating gun.

47. (Original) The system of claim 45, wherein the fixing agent comprises cement.

48. (Previously Presented) A system usable with a well, comprising:  
a fixing agent; and  
a perforating gun string set in the fixing agent,  
wherein the perforating gun string is adapted to communicate produced well fluid to the surface of the well after the perforating gun fires.

49. (Original) The system of claim 48, wherein the fixing agent comprises cement.

50. (Original) The system of claim 48, further comprising:  
an optical fiber attached to the gun string; and  
a circuit coupled to the optical fiber and adapted to monitor the fixing agent prior to setting of the fixing agent.

51. (Original) The system of claim 50, wherein the circuit is adapted to use the optical fiber to monitor a temperature of the fixing agent.

52.-60. (Cancelled)

61. (Previously Presented) A method to install a tool in a well, comprising:  
running a casing into a wellbore of the well;  
running the tool into the casing; and  
fixing the tool to the well with a fixing agent without pumping the fixing agent through a central passageway of the tool.

62. (Previously Presented) The method of claim 61, further comprising:  
pumping the fixing agent between the casing and the tool.

63. (Previously Presented) The method of claim 61, further comprising:  
running a perforating gun inside the tool; and  
firing the perforating gun.

64. (Cancelled)

65. (Previously Presented) A method usable with a well, comprising:  
running a tool into a well; and  
fixing the tool to the well with a fixing agent without pumping the fixing agent through a  
central passageway of the tool, the fixing comprising:  
pumping the fixing agent into the well and then running the tool into the well;  
running a tubing to a region where the tool is to be fixed to the well; and  
communicating the fixing agent into the well via the tubing.

66. (Previously Presented) The method of claim 65, further comprising:  
isolating a bottom of the tool to prevent the fixing agent from entering the central  
passageway of the tool.

67. (Previously Presented) The method of claim 65, wherein the fixing comprises:  
pumping the fixing agent into an uncased region of the well.

68. (Previously Presented) The method of claim 65, further comprising:  
running a perforating gun string inside the tool; and  
firing the perforating gun.

69. (Previously Presented) The method of claim 65, further comprising:  
operating the tool after the fixing agent sets.

70. (Currently Amended) A method usable with a well, comprising:  
running a tool into the well;  
fixing the tool to the well with a fixing agent without pumping the fixing agent through a central passageway of the tool;  
running a perforating gun string inside the tool; ~~and~~  
firing the perforating gun; and  
actuating the tool subsequent to the fixing of the tool to the well.

71. (Previously Presented) The method of claim 70, wherein the fixing comprises pumping the fixing agent into the well and then running the tool into the well.

72. (Previously Presented) The method of claim 70, further comprising:  
isolating a bottom of the tool to prevent the fixing agent from entering the central passageway of the tool.

73. (Previously Presented) The method of claim 70, wherein the fixing comprises:  
pumping the fixing agent into an uncased region of the well.

74. (Previously Presented) A method usable with a well, comprising:  
running a tool into the well, the tool being part of a perforating gun string;  
introducing a fixing agent into the well after the running so that the fixing agent at least partially surrounds the tool;  
operating the tool after the fixing agent sets; and  
using the perforating gun string as a production tubing.

75. (Previously Presented) The method of claim 74, further comprising:  
cleaning out the perforating gun string before using the gun string as the production tubing.

76. (Previously Presented) The method of claim 74, wherein the fixing agent comprises cement.

77. (Previously Presented) The method of claim 74, wherein the tool comprises a casing conveyed tool.

78. (Previously Presented) The method of claim 74, wherein the operating the tool comprises firing a perforating gun.